



# Road Pavements

## Community Assets – At the Core of Your Neighbourhood

### What are the community assets?

The City of Willoughby boasts a large range of services which contribute to our quality of life. Most of these services rely on a pool of assets with a combined replacement value of more than \$760M.

Assets in Willoughby include all buildings, footpaths, roads, stormwater infrastructure, parks, bushland, sportsgrounds and playgrounds. Without these assets Council could not provide its present array of services. These assets are located on Council-owned land as well as land under Council's care and control.

Asset Management has been identified as a federal priority for local government across Australia, as all councils begin to face the issue of aging infrastructure.

Strategic management of these assets, guided by an asset management policy and plans, will ensure the needs of communities are being determined and met, and funding sources for asset renewal are secured for the future.

### Managing our assets

Much of the city's infrastructure was built in the first half of the 20th century and an intense period of construction of community buildings took place in the 1970s and again in the 1990s. Many of these assets are already due for replacement, and Council has been undertaking a continual replacement and upgrade program to meet the needs of a growing city. Planning has now begun for the large number of these assets that will be due for replacement around the same time, particularly over the next two decades.

Willoughby City Council has collected the vast majority of data required to produce its Asset Management Plans. They can be accessed from Council's website. These 20 year strategic plans provide scenario-based expenditure projections for nine classes of assets.

The next step for Willoughby is to ascertain the community's priorities and determine the acceptable condition, capacity, functionality, location and quantity of our assets.

## Have Your Say

Willoughby Council is seeking feedback from the community to determine the acceptable level of service provision.

We need to know how you use community assets, whether they meet your expectations and how we should prioritise future works so we can develop strategies for their management.

Consultation will seek your opinions about community assets in terms of physical condition and appearance, capacity, fitness for purpose and whether there are enough of them in the right places.

Visit [www.haveyoursaywilloughby.com.au](http://www.haveyoursaywilloughby.com.au) to be involved in the online forum and to receive project updates. Council will also hold community workshops, public meetings and information stalls through 2013.



# Road Pavements

Replacement value: \$179.6M

- 234 km sealed roads
- 211 km under Council control
- 23 km state roads and freeways

Of the 211 km of sealed roads under Council's care and control, 12 km are classified as Regional Roads and the remaining 199 km are Local Roads. 23 km of State Roads and Freeways are maintained by the NSW Road and Maritime Services (RMS).

Roads need to be maintained to a safe and functional standard to ensure accessibility for all vehicles.

Road pavements are broken down into three components, each with a distinct pattern of degradation and expected life. These are, in order from the visible road surface down to the deepest layer:

- Road seal
- Road base
- Road formation

## Physical condition

The identification of various defects in road pavements such as cracks, potholes and ravelling are good indicators of an aging pavement. Both ravelling and cracking are at acceptable levels and are generally rare.

There are no major areas of concern across Willoughby's road pavement network. The level of roughness across all road classes is fairly uniform and representative of a road network that is predominantly subject to a low speed environment. Rutting across the network is very low.

### Average condition rating for road seals:



### Average condition rating for road bases:



Road assets are rated on a scale of zero to five, where zero means the asset is in brand new or excellent condition and five means the asset is at the end of its life and no longer able to provide service.

## Operations and maintenance

Council undertakes hundreds of pothole repairs each year. In addition, during the 2011/12 financial year, 25,000m<sup>2</sup> of road resurfacing was completed. Approximately \$3.5M was spent on road pavements during the 2011/12 financial year.

## Planning for the future

The increased population and employment opportunities associated with the growth forecast suggest there will be an increased demand on the capacity of Willoughby's road network. Urbanisation prevents existing roads from being expanded, while tunnelling and flyovers are costly and environmentally inappropriate options. Strategies to reduce single occupant car travel are more likely to have longer term benefits.

Micro simulation traffic modelling of the Chatswood CBD has been completed to develop traffic management options that will facilitate access to the CBD and reduce problems associated with congestion. Further work to develop and refine options is currently being undertaken.

To date, some opportunities have been identified for demand management which are also in line with Willoughby's goals and strategies. For example, Council encourages more sustainable forms of transport by providing bike paths and free shuttle buses and by encouraging car sharing schemes. Adoption of parking pricing is intended to regulate parking demand and encourage more active transport. Council also undertakes significant work to promote and educate the community with regard to more sustainable transportation.

New developments may result in changes to vehicular volumes. An assessment of existing road pavement capacity and condition could be required as part of new development application assessments, and as a result an upgrade of the road pavements fronting a development may be required as part of the conditions of consent for the development.

